

# TECRA 740CDT Product Specifications

	740CDT: PA1229U-T2C 2.1 Billion Bytes = 2.02GB	740CDT: PA1233U-T2C 3.08 Billion Bytes = 2.87 GB
<b>PROCESSOR</b>		
Intel Pentium®166Mhz (2.45v/3.3v) w/ MMX	Yes	Yes
External data bus width	64 bit	64 bit
External data/address bus speed	66 MHz	66 MHz
Integrated Coprocessor	Yes	Yes
Processor Cache	32KB: (16KB code; 16KB data)	32KB: (16KB code; 16KB data)
<b>LEVEL 2 (L2) CACHE</b>		
Data Bus Width	64 bit	64 bit
Data Bus Speed	66 MHz	66 MHz
DATA RAM:	Yes	Yes
1 Mbit Pipelined Burst Synchronous SRAM	(32K x 32bit, 3.3V) x 2	(32K x 32bit, 3.3V) x 2
Access Time	8 ns	8 ns
TAG-RAM:	Yes	Yes
256Kbit Asynchronous SRAM	(32K x 8bit, 3.3V) x 1	(32K x 8bit, 3.3V) x 1
Access Time	14ns	14ns
<b>SYSTEM ARCHITECTURE</b>		
PCI BUS (v.2.1): (32-bit, 33 MHz)	Connecting Devices: PC Card Slots, Expansion Bus, Graphics Controller	
ISA BUS: 16-bit, 8 MHz	Connecting Devices: BIOS, CD-ROM, FDD, FIR, HDD, KBC, Sound chip	
<b>MEMORY: 16Mbit EDO DRAM, 3.3V</b>		
Standard	16 MB	16 MB
Maximum	144 MB	144 MB
Speed	60ns	60ns
Hyper Page mode memory access	Yes	Yes
Data width	64 bit	64 bit
BIOS (256KB FLASH EPROM, 120ns, 5V)	Yes	Yes
PnP 1.0a SUPPORT	Yes	Yes
<b>DISPLAY</b>		
Type	13.3"Diagonal TFT Active Matrix	
Dot Pitch	.26mm x .26mm	
Contrast Ratio	100:1 (min)	
<b>VIDEO (All models)</b>		
Memory: 4Mbit EDO DRAM, 5V	2 MB	
Speed	50ns w/ Hyper-page mode support	
Controller Chip	C&T HIQV32 (CT65554) w/64-bit Data Bus Width	
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz	
Graphics Accelerator:	Yes: Supports 64-bit BitBLT, DirectDraw, Direct3D, H/W Cursor	
Digital Video Accelerator:	Yes	
YUV-to-RGB color space conversion	Yes	
Scaling Support	Yes	
Zoomed Video Port Support	Yes (vertical & horizontal)	
Interpolation	Yes (vertical & horizontal)	
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft	
Color Palette	16.7M colors	
Internal Resolution	1024 x 768 x 64K/64K colors	
Smaller Image	640 x 480 x 64K/64K colors	
Smaller Image	800 x 600 x 64K/64K colors	
Virtual Display Mode	1280 x 1024 x 256/256K colors	
External Resolution	<u>Colors/Palette</u>	
640 x 480	16.7M colors/16.7M colors	
800 x 600	16.7M colors/16.7M colors	
1024 x 768	64K colors/64K	
1280 x 1024	256 colors/256K	
Refresh Rate	Vert.: 60Hz; Hor.: 48.5kHz (taken.@ 1024x768/64K colors Non-Interlaced)	

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<b>STORAGE</b>		
Removeable HDD (2.5" Enhanced IDE)	2.1 Billion Bytes=2.02GB (13msec)	3.08 Billion Bytes = 2.87 GB (13msec)
<b>SELECT BAY DEVICES (All models)</b>		
<b>Modular FDD (3.5" 1.44MB)</b>	<i>Included/ Swappable with CD-ROM</i>	
FDD Dimensions	4.57" L x 3.8" W x .59" H	
FDD Weight	Weight: .29 lbs	
Simultaneous FDD & CD-ROM Support	Yes: External FDD adapter included	
FDD Adapter Dimensions	7.0" L x 5.5" W	
FDD Adapter Weight	.25 lbs	
<b>Modular HDD (2.5" Enhanced IDE)</b>	<i>Optional/For use in SelectBay only</i>	
Capacity	2.1 billion bytes=2.02GB (13msec)	
<b>Modular CD-ROM: Toshiba XM-1502B</b>	<i>Installed/ For use in SelectBay only</i>	
5.25" 10x-Average speed	.6 lbs	
Weight	Weight	
Interface	.ATAPI (Enhanced IDE)	
Random Access Time	180 ms	
Average Sustained Transfer Rate	1,500 KB/sec	
Supported Disc formats	CD-DA, CD-ROM, CD-ROM XA, CD-Bridge (Photo-CD, Video-CD), CD-I, CD-I Ready, CD-G, Multisession (Photo-CD, CD-Plus)	
<b>KEYBOARD</b>		
82 keys, 3mm Travel	Yes	Yes
12 dedicated function keys	Yes	Yes
Cursor control (8 Keys, Inverted "T")	Yes	Yes
Numeric keypad (Integrated Overlay)	Yes	Yes
<b>Integrated Pointing Device</b>	AccuPoint™	AccuPoint™
<b>EXPANSION SLOTS</b>		
Two Stacked PC Card Slot <sup>2</sup>	Yes: CardBus & ZV Card Ready	Yes: CardBus & ZV Card Ready
32-bit, 3.3V PC CardBus Support	Yes	Yes
16-bit, 5.0V PC Card Support	Yes	Yes
Internal Memory Slot (One only)	Yes	Yes
<b>EXPANSION PORTS</b>		
One RJ-11 port for internal modem (supplied)	Yes	Yes
One 9-Pin Serial (16550 UART compliant)	Yes	Yes
One 25-Pin Parallel (8 bit ECP)	Yes	Yes
One 15-Pin RGB (SVGA video)	Yes	Yes
Serial Fast Infrared port (back only)	Yes: IrDA 1.1:4 Mbps compatible	Yes: IrDA 1.1:4 Mbps compatible
One (PS/2) 101 Keyboard/Mouse port	Yes: w/"Y"Connector support	Yes: w/"Y"Connector support
One External Floppy Drive port	Yes	Yes
Microphone (3.5mm mini jack, monoaural)	Yes	Yes
Headphone (3.5mm mini jack, stereo)	Yes: (16 Ω min)	Yes: (16 Ω min)
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes	Yes
Line-out (3.5mm mini jack, stereo, 0.7V rms)	Yes	Yes
Noteworthy security lock port	Yes	Yes
<b>SOUND SYSTEM (All models)</b>		
Chipsets:	Crystal Semiconductor CS4232, Yamaha OPL3 (YMF262),	
Synthesis policy	FM synthesis	
16 bit stereo audio playback/record	Yes: w/48kHz maximum sampling rate	
Full duplex function	Yes	
Sound formats supported:	SoundBlaster Pro™, .WAV, MIDI, Zoomed video port audio (stereo), CardBus audio (monoaural), CD-ROM audio	
DirectSound support	Yes: with Windows 95 Game SDK driver from Microsoft	
Speaker system:	Two top-mounted stereo speakers (28mm, 8 Ω)	

<sup>2</sup>. Holds two - 5mm PC Cards Type II or one - 10.5mm PC Card Type III.

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<b>INTERNAL MODEM (All models)</b>	28.8 /14.4 Kbps Voice/Data/Fax modem w/V.80 support for Video Conferencing	US/Canada and Euro/Australia
DAA support	Color video camera, CardBus Capture Card, & video phone w/ProShare ® Technolgy	
Noteworthy Business Video phone (std)		
Data support	Bell-103/212A, CCITT-V.21/V.22, V.22bis, V.23, VV.32, V.32bis, V.32 terbo, V.34	
Protocols supported	MNP 1-4	
Error correction	MNP 5, CCITT V.42 bis	
Data compression	Fax class 1	
Fax support	V.21 ch2, V.27 ter, V.29, V.17	
Protocols supported	Speaker phone, Telephony Answering Machine, Ring Wake-up Resume	
Supported Functions	Incoming Call Discrimination, Caller ID	
<b>NoteDock II™ Port Replicator (Optional)</b>	Part# PA2713U	
Two Type III CardBus ready PC Card slots	Yes: each slot supports one card	
Supported Interfaces	Serial, parallel, PS/2 keyboard, PS/2 mouse, DC in, SVGA monitor, Lock slot , joystick/MIDI, audio line-in, line-out, headphone, microphone	
<b>Desk Station V Plus (Optional)</b>	Part# PA2710U	
(2) Full length 32-bit PCI/16-bit ISA slots	Yes	
(1) Half Length 32-bit PCI slot	Yes	
(2) Type III PC Card slots	Yes	
Built-in SCSI II	Yes	
5.25" half height drive bay	Yes	
Select Bay for Modular FDD or CD-ROM	Yes	
Designed for Windows 95 and PNP	Yes	
Hot Docking Support	Yes	
<b>POWER (All models)</b>		
<b>Autosensing External AC Adapter</b>	5.51" L x 2.95" W x .98" --- .75 lbs. (Part#:NW2484U)	
Input (Voltage/Frequency)	100-240V; 50-60Hz	
Output (Voltage/Amps)	15 VDC; 2.7A (max)	
Power Output (Watts)	40W	
Battery Type: Li-Ion (10.8V, 5600mAH)	Yes: Part# PA2485UXR (Note: Different form factor from 730 series models)	
Battery Life: (Full Power/Low Power)	2.5 hrs.	
Recharge Time (Computer Off/On)	4 hrs.(Off) /5.5-12.5 hrs.(On)	
MaxTime® Power Management	Yes	
<b>DIMENSIONS</b>	11.95" W x 9.41" D x 2.4" H	11.95" W x 9.41" D x 2.4" H
<b>WEIGHT (includes 1.32 lbs. battery)</b>	8.45 LBS.	8.45 LBS.
<b>BUNDLED SOFTWARE (All models):</b> <i>User selectable</i> Windows 95 or Windows for Workgroups 3.11 and MS-DOS 6.22®; Intel Indeo Video™; Runtime Video f/Windows; Synchro Multimedia Connect™Telephony Software ; Sony Music Screeners™; Mediomatics Arcade Pack™; America Online®; Toshiba utilities: Maxtime®, magiCDisc™, Fn-esse™, online documentation Netscape Navigator™; Compuserve®; Puma TranXit, SystemSoft CardSoft card & socket services		
<b>SECURITY</b>	Lock slot, Password:power-on, supervisor, HDD, Docking station eject	
<b>WARRANTY</b>	3 YR Parts & Labor (battery 1 year)	
<b>ENVIRONMENTAL SPECIFICATIONS</b>		
Temperature	<u>Operating</u> 41°F (5°C) to 95°F (35°C) N/A	<u>Non-operating</u> -4°F (-20°C) to 149°F (65°C) N/A
Thermal Gradient (20° C per hour max.)		
Relative Humidity:	20% to 80% non-condensing	10% to 90% non-condensing
Altitude:	-197 to 9,843ft. (-60 to 3000m)	-197 to 32,808ft. (-60 to 10,000m)
Shock:	10G; 1.5G w/CD-ROM installed	60G; 50G w/CD-ROM installed
Vibration:	0.5G; 0.25G w/CD-ROM installed	1G; 1G w/CD-ROM installed